

PATENT  
ATTORNEY DOCKET NO.: DERM1100-5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Rheins and Morhenn Art Unit: Unassigned  
Application Serial No.: Unassigned Examiner: Unassigned  
Application Filed: October 11, 2001  
Parent Application No.: 09/375,609  
Parent Filing Date: August 17, 1999  
Title: METHOD FOR DETECTION OF BIOLOGICAL FACTORS  
IN EPIDERMIS



**BOX PATENT APPLICATION**

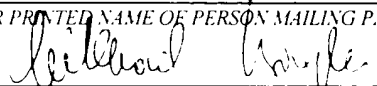
Commissioner for Patents  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. § 1.97, Applicants bring to the Examiner's attention the related parent patent application, U.S. Serial No. 09/352,818, filed July 13, 1999, which is relied upon for an earlier filing date under 35 U.S.C. § 120.

Applicants respectfully request that the references supplied in compliance with 37 C.F.R. § 1.97 in the above-referenced parent application, as well as those cited during its examination, be made of record. For the convenience of the Examiner, enclosed are copies of Form PTO-1449 and Form PTO-892 listing the references cited by the Examiner or cited in an Information Disclosure Statement filed by the Applicants. Copies of the documents will be found in the above-referenced parent application.

"EXPRESS MAIL" Mailing Label Number: <b>EL617035915US</b>
Date of Deposit: <b>October 11, 2001</b>
I hereby certify under 37 C.F.R. § 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to the BOX PATENT APPLICATION, Commissioner for Patents, Washington, D.C. 20231
<b>MIKHAIL BAYLEY</b>
(TYPED OR PRINTED NAME OF PERSON MAILING PAPER)

(SIGNATURE OF PERSON MAILING PAPER OR FEE)

In Re Application of:

Rhiens and Morhenn

Application No.: Unassigned

Application Filed: October 11, 2001

Parent Application No.: 09/375,609

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PATENT

Attorney Docket No.: DERM1100-5

It is respectfully requested that the parent application and the references cited therein be considered in the examination of this application and that their consideration be made of written record in the application file.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 50-1355.

Respectfully submitted,

Date: October 11, 2001



Sheila R. Kirschenbaum, J.D., Ph.D.

Registration No. 44,835

Telephone: (858) 677-1462

Facsimile: (858) 677-1465

**USPTO CUSTOMER NUMBER 28213**

GRAY CARY WARE & FREIDENRICH LLP  
4365 Executive Drive, Suite 1600  
San Diego, California 92121-2189

Substitute Form PTO-1449 (Modified)	Department of Commerce Patent and Trademark Office	Attorney's Docket No. DERM1100-5	Application No. Unassigned
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Rheins and Morhenn	Filing Date October 11, 2001 Group Art Unit Unassigned

 10996 U.S. PTO  
09/976361

10/11/01

### U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB							

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AC	Farage, M.A., et al., "DEVELOPMENT OF A NONINVASIVE METHOD FOR ASSESSING HUMAN SKIN IRRITATION," The Toxicologist (1997) Vol. 36, No. 1, Part 2, pp. 365.
	AD	Nickoloff, B.J., M.D., Ph.D., et al., "Perturbation of epidermal barrier function correlates with initiation of cytokine cascade in human skin," Journal of the American Academy of Dermatology (1994) Vol. 30, No. 4, pp. 535-546.
	AE	Tetsuji, H., et al., "Elevation of Interleukin 1 Receptor Antagonist in the Stratum Corneum of Sun-exposed and Ultraviolet B-irradiated Human Skin," The Journal of Investigative Dermatology (1996) Vol. 106, No. 5, pp. 1102-1107.
	AF	Weigand, D.A., M.D., et al., "REMOVAL OF STRATUM CORNEUM IN VIVO: AN IMPROVEMENT ON THE CELLOPHANE TAPE STRIPPING TECHNIQUE," The Journal of Investigative Dermatology (1973) Vol. 60, No. 2, pp. 84-87.
	AG	van Hoogdalem, Ewoud J., "Assay of Erythromycin in Tape Strips of Human Stratum corneum and Some Preliminary Results in Man" Skin Pharmacol (1992) Vol. 5, pp. 124-128.
	AH	van der Molen, R.G., et al., "Tape stripping of human stratum corneum yields cell layers that originate from various depths because of furrows in the skin," Archives of Dermatological Research (1997) Vol. 289, pp. 514-518.
	AI	Dreher, F., et al., "Colorimetric Method for Quantifying Human Stratum Corneum Removed by Adhesive-Tape-Stripping," Acta Derma Venereol (Stockholm), (1998) Vol. 78, pp. 186-189.
	AJ	Martin, E., et al., "A Critical Comparison of Methods to Quantify Stratum corneum Removed by Tape Stripping," Skin Pharmacology (1996) Vol. 9, pp. 69-77.
	AK	Goldschmidt, H., M.D., et al., "Desquamation of the Human Horny Layer," Archives of Dermatology (1967) Vol. 95, pp. 583-586.
	AL	Hojyo-Tomoka, M.D., et al., "Does Cellophane Tape Stripping Remove the Horny Layer?" Archives of Dermatology (1972) Vol. 106, No. 5, pp. 767-768.
	AM	Klaschka, F., M.D., et al., "INDIVIDUAL TRANSPARENCY PATTERNS OF ADHESIVE-TAPE STRIP SERIES OF THE STRATUM CORNEUM," International Journal of Dermatology (1977), Vol. 16, No. 10, pp. 836-841.
	AN	Klaschka, F., et al., "New Measuring Device of Horny Layer Transparency," Archives of Dermatology (1975) Vol. 254, pp. 313-325.
	AO	Katz, H.I., M.D., et al., "Skin-Surface Touch Print for Diagnosing Fungal Infections," American Family Physician (1985) Vol. 31, No. 4, pp. 189-194.

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. DERM1100-5	Application No. Unassigned
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Rheins and Morhenn	
		Filing Date October 11, 2001	Group Art Unit Unassigned

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AP	Van Der Valk, P.G.M., et al., "A functional study of the skin barrier to evaporative water loss by means of repeated cellophane-tape stripping," Clinical and Experimental Dermatology (1990) Vol. 15, No. 3, pp. 180-182.
	AQ	Potts, R.O., et al., "Physical Methods for Studying Stratum Corneum Lipids," Seminars in Dermatology (1992) Vol. 11, No. 2, pp. 129-138.
	AR	Farage, M.A., et al., "Further Development of Noninvasive Method for Assessing Human Skin Irritation," Abstract #1909, The Proctor & Gamble Company, (1998).

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
DERM1100-5Application No.  
Unassigned**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant

Rheins and Morhenn

Filing Date

October 11, 2001

Group Art Unit

Unassigned

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,753,612	5/19/98	Mitrani	514	2	
	AB	4,971,800	11/20/90	Chess <i>et al.</i>	424	449	
	AC	4,537,776	8/27/85	Cooper	514	424	
	AD	5,460,939	10/24/95	Hansbrough <i>et al.</i>	435	1.1	

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AE							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AF	

Examiner's Signature

Date Considered

SAMPLE 2 - Initials (shown) considered. Drawings through relation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# **Notice of References Cited**

Application/Control No.

09/375,609

Examiner

Sarada C. Prasad

Applicant(s)/Patent Under  
Reexamination  
Rheins et al.

Art Unit

1646

Page 1 of 1

## **U.S. PATENT DOCUMENTS**

★		DOCUMENT NO	DATE	NAME	CLASS	SUBCLASS	DOCUMENT SOURCE **	
							APS	OTHER
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<input type="checkbox"/>	B						<input type="checkbox"/>	<input type="checkbox"/>
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## **FOREIGN PATENT DOCUMENTS**

★		DOCUMENT NO	DATE	COUNTRY	NAME	CLASS	SUBCLASS	DOCUMENT SOURCE **	
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## **NON-PATENT DOCUMENTS**

★		DOCUMENT (Including Author, Title Date, Source, and Pertinent Pages)	DOCUMENT SOURCE **	
			APS	OTHER
<input type="checkbox"/>	U	Kondo et al. Characterization of Epidermal Cytokine Profiles in Sensitization and elicitation Phases of Allergic Contact dermatitis as well as Irritant Contact dermatitis in Mouse skin. Lymphokine and Cytokine Res. 1994, Vol. 13, No. 6, pages 367-375.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	V	Nickoloff et al. Keratinocyte Interleukin-10 Expression is Upregulated in Tape-stripped skin, poison Ivy dermatitis, and Sezary syndrome, but not in psoriatic plaques. Clinical Immunology and Immunopathology October 1994, Vol. 73, NO. 1, pages 63-68.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	W		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	X		<input type="checkbox"/>	<input type="checkbox"/>

\*A copy of this reference is not being furnished with this Office action. (See Manual of Patent Examining Procedure, Section 707.05(a).)

\*\*APS encompasses any electronic search i.e. text, image, and Commercial Databases.

J.S. Patent and Trademark Office

PTO-892 (Rev. 03-98)

Notice of References Cited

Part of Paper No. 7